Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

H 89 dihydrochloride

Product overview

Name	H 89 dihydrochloride
Cat No	HB0314
Biological action	Inhibitor
Purity	>99%
Description	Potent, non-selective kinase inhibitor.Also improves dissociate hESCs survival and clonogenicity.

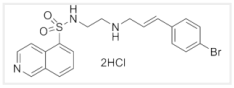
Biological Data

Biological description	Potent, non-selective kinase inhibitor. Protein kinase A inhibitor (IC_{50} = 135 nM). Also inhibits S6K1, MSK1, ROCKII, PKBα and MAPKAP-Klb (IC_{50} values are 80, 120 and 270 nM, 2.6 µM and 2.8 µM respectively). Also improves dissociate hESCs survival and clonogenicity.

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in water (25mM) or DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	*N*-[2-[[3-(4-Bromophenyl)-2-propenyl]amino]ethyl]-5-isoquinolinesulfonamidedihydrochloride
Molecular Weight	519.28
Chemical structure	
Molecular Formula	$C_{20}H_{20}BrN_3O_2S.2HCl$
CAS Number	130964-39-5
PubChem identifier	5702541
SMILES	O=S(C2=CC=CC1=CN=CC=C12)(NCCNC/C=C/C3=CC=C(Br)C=C3)=O.Cl.Cl
InChiKey	GELOGQJVGPIKAM-WTVBWJGASA-N

References

The many faces of H89: a review.

Lochner A *et al* (2006) Cardiovasc Drug Rev 24(3-4)
PubMedID 17214602

Involvement of cAMP response element-binding protein activation in salivary secretion.

Yamada K *et al* (2006) Pathobiology 73(1)
PubMedID 16785762

Specificity and mechanism of action of some commonly used protein kinase inhibitors.

Davies SP *et al* (2000) Biochem J 351(Pt 1)
PubMedID 10998351

Pharmacological PKA inhibition: all may not be what it seems.

Murray AJ (2008) Sci Signal 1(22)
PubMedID 18523239